

Training Manual (SW Down Load)

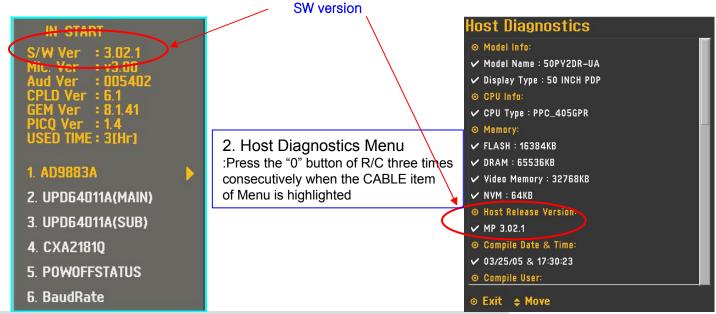


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- ☐ The reason of software download
- : Software update is needed for the reason of correcting software bugs after the mass production.
- ☐ Software download file (Extension type of download file is only XXX.epk)
 - 1. Application file: app_modelname.epk (ex> app_50PY2DR-UA.epk)
 - 2. Autodemo_file: autodemo_modelname.epk (ex> autodemo_50PY2DR-UA.epk)
- Download Method
 - 1. RS 232C
 - 2. EPF Mode
 - 3. OAD
- ☐ Identify the software download Success or Fail
- 1. IN START Menu
- : Press the "IN-START" button of Factory R/C



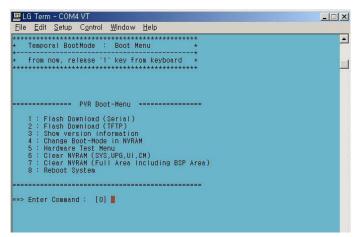
□ PDP PVR/EPF DCR Model

- 50PY2DR-UA: P/W → 50PY2DR-UA ■ 60PY2DR-UA: P/W → 60PY2DR-UA ■ 50PX4DR-UA: P/W → 50PX4DR-UA
- ☐ PDP DCR Model
 - 42PX2D-UC: P/W → 42PX2D ■ 50PX1D-UC: P/W → 50PX1D
- ☐ PDP EPF DCR Model
 - 42PX4D-UB: P/W → 42PX4D ■ 42PX5D-UB: P/W → 42PX5D ■ 50PX1D-UB: P/W → 50PX1D
- ☐ LCD DCR Model
 - 26LX1D-UA: P/W → 26LX1DU
 - 32LX1D-UA: P/W → 32LX1DU
 - 26LX2D-UA: P/W → 26LX2DU
 - 32LX2D-UA: P/W → 32LX2DU
 - 32LP1D-UA: P/W → 32LP1DU
 - 37LP1D-UA: P/W → 37LP1DU
 - 42LP1D-UA: P/W → 42LP1DU

- □ Connect the TV Set that is needed to the software update with the computer which contains the update file through the RS-232C cable and do the following things below for software download.
- 1. Execute the LG Terminal or DTVLap Terminal program.

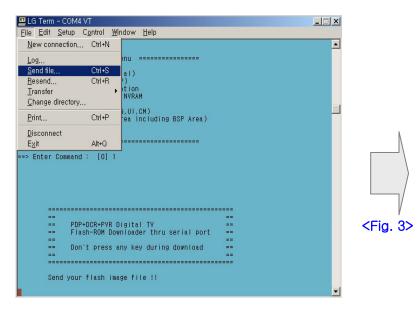
2. On pressing the '1' button, reboot the TV system, then you can enter the Boot Menu phase like <Fig. 1>

3. Like in <Fig.2>, press the '1' button and execute the Flash Download (Serial) menu

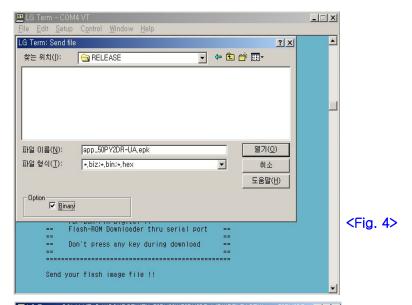


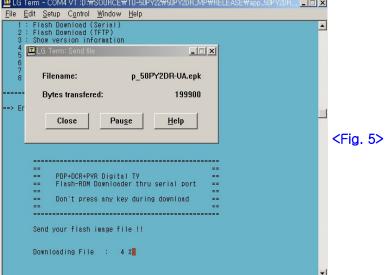
<Fig. 1>

3. Execute the 'File->Send file...' menu, then select the file that you'd like to update.



4. You can see that software update data are downloaded like <Fig. 5>.





software.

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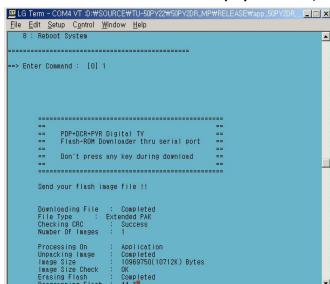
5. If the download is completed, the TV set erases flash.

And then it writes the unpacked image to flash(programming flash).

<Fig. 6>

<Fig. 7>

- - Warning: Don't turn off your system in progress unpacking and writing flash rom.
 - In case of CPLD downloading, repeat the process from 1 ~ to 5 (Downloading System and Mux file separately) and complete downloading by step 6. (file name : XXX.epk)





□ OAD is the method which updates the TV software that TV sets receive from PSIP of the specific DTV channel.

- 1. Press ADJ button in the factory remote controller, then you can see the Ez-Adjust menu.
 - Select OnAirDownload using **ARROW** key button.

Ez Adjust 1. Gemstar Test 2. Cable Check 3. AutoDemo Copy 4. AD9883A-Set 5. Video(UPD)-Set 6. Sub-Brightness/Contrast 7. White-Balance 8. Module Control 9. Temperature Threshold 10. White-Pattern 11. Auto Guide On/Off 12. 2 Hour Off Option 13. OnAirDownload 14. Guide Reset

- 2. Select the special DTV channel for OAD and press ENTER button.
 - Yon can see the signal strength is strong.



- 3. If TV sets begin to receive OAD data, the bar is proceeded.
 - You can see the percentage number is grown up.



- 4. If the download is completed, you can see the message of "Unpacking and Writing Flash with OAD ROM Data...." In this state, the TV set is unpacking the downloaded files and writing the special flash rom.
 - If the work of unpacking and writing flash rom is completed, the TV set is rebooted by itself. The rebooted TV set has the updated software.
 - Warning: Don't turn off your system in progress unpacking and writing flash rom.

Unpacking and Writing Flash with OAD ROM Data...